

GPRA IB4 Data Set for Rocky Mountain National Park –Relative importance of the natural process, degree of human influence, and management significance of selected geoindicators at Rocky Mountain National Park.

| Geoindicator | Natural Influence | Human Influence | Management Significance |
|---|--------------------------|------------------------|--------------------------------|
| Alpine and Polar | | | |
| Frozen ground activity * | H | L | M |
| Glacier and firn field fluctuations * | M | L** | M |
| Lake ice (ice phenology) | H | H** | H |
| Arid and Semi-Arid | | | |
| Wind erosion * | H | L | M |
| Air borne sediment and deposition | L | H** | M |
| Groundwater-Related | | | |
| Groundwater quality | L | M | M |
| Groundwater level and springs | L | L | L |
| Surface Water | | | |
| Lake levels | L | L | M |
| Surface water quality | H | H | H |
| Stream channel morphology * | H | H | H |
| Streamflow | H | H | H |
| Stream sediment storage and load * | H | H | H |
| Wetlands extent, structure, and hydrology | H | H | H |
| Geologic Hazards | | | |
| Slope failure * | H | M | H |
| Seismicity * | L | L | L |
| Surface displacement * | L | L | L |
| Other (multiple environment) | | | |
| Soil and sediment erosion * | L | M | M |
| Soil quality * | L | L | L |
| Sediment sequence and composition * | H | M | H |
| * Geologic Resources Division, NPS provides technical expertise ** Indicators of global climate changes or activities H – HIGHLY influenced by, or with important utility for M – MODERATELY influenced by, or have some utility for L – LOW or no substantial influence on, or utility for | | | |